

Labeling methods based on selecting specific classes of peptides.

Fig. 1

## A COUPLED STRATEGY

The separation is based on the interaction of biotin with avidin

Peptides that contain a specific functional group are derivatized and selected. Specificity comes from the derivatization reaction

reaction.



$\text{C}_6\text{H}_5\text{CH}_2\text{NH}_2$



$\text{C}_6\text{H}_5\text{CH}_2\text{OH}$



$\text{C}_6\text{H}_5\text{CH}_2\text{SH}$

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All peptides in the sample are derivatized

H  
derivitizing agent

affinity selection

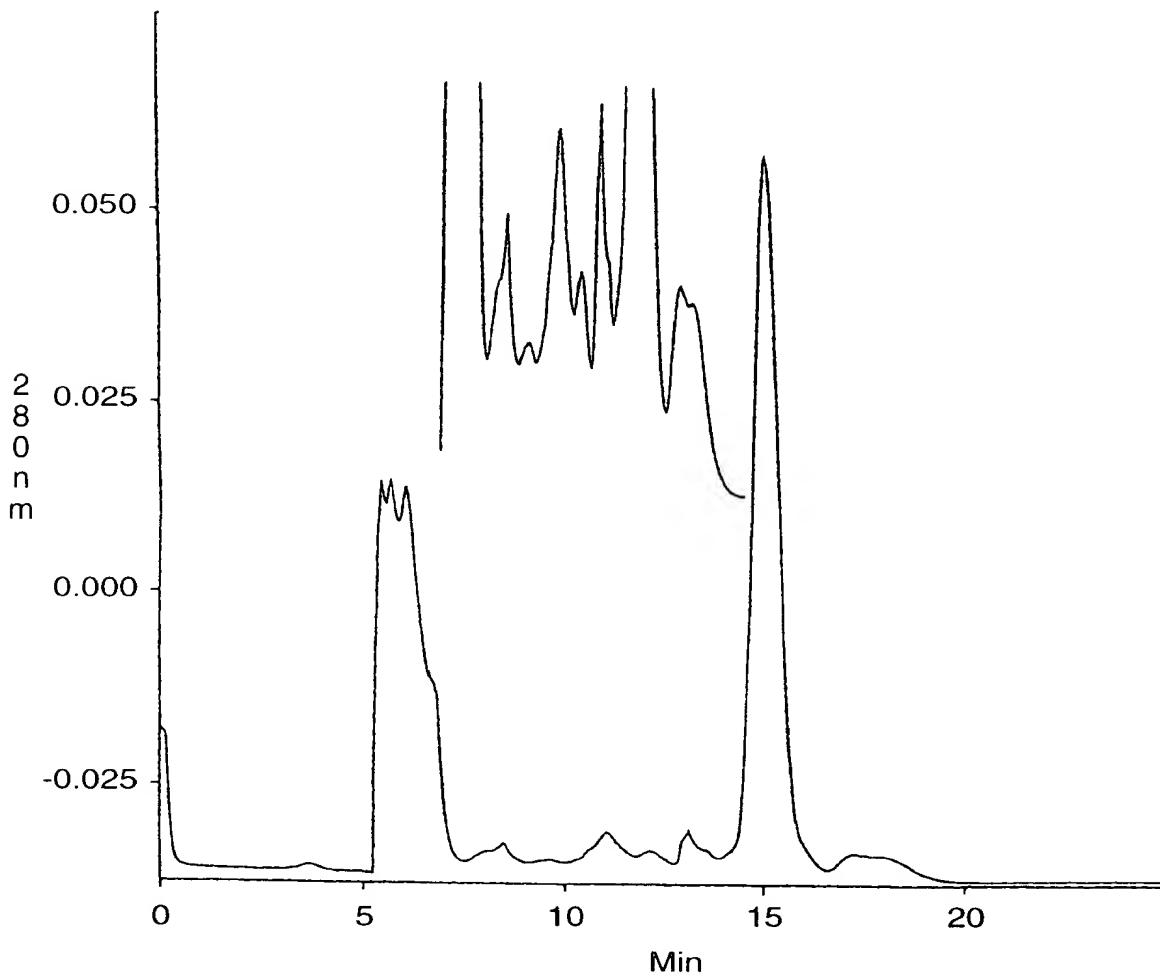
Isotopic label

Peptide selections can be achieved in a wide variety of ways. Specificity comes from the separation properties of the peptide.

## AN UNCOUPLED STRATEGY

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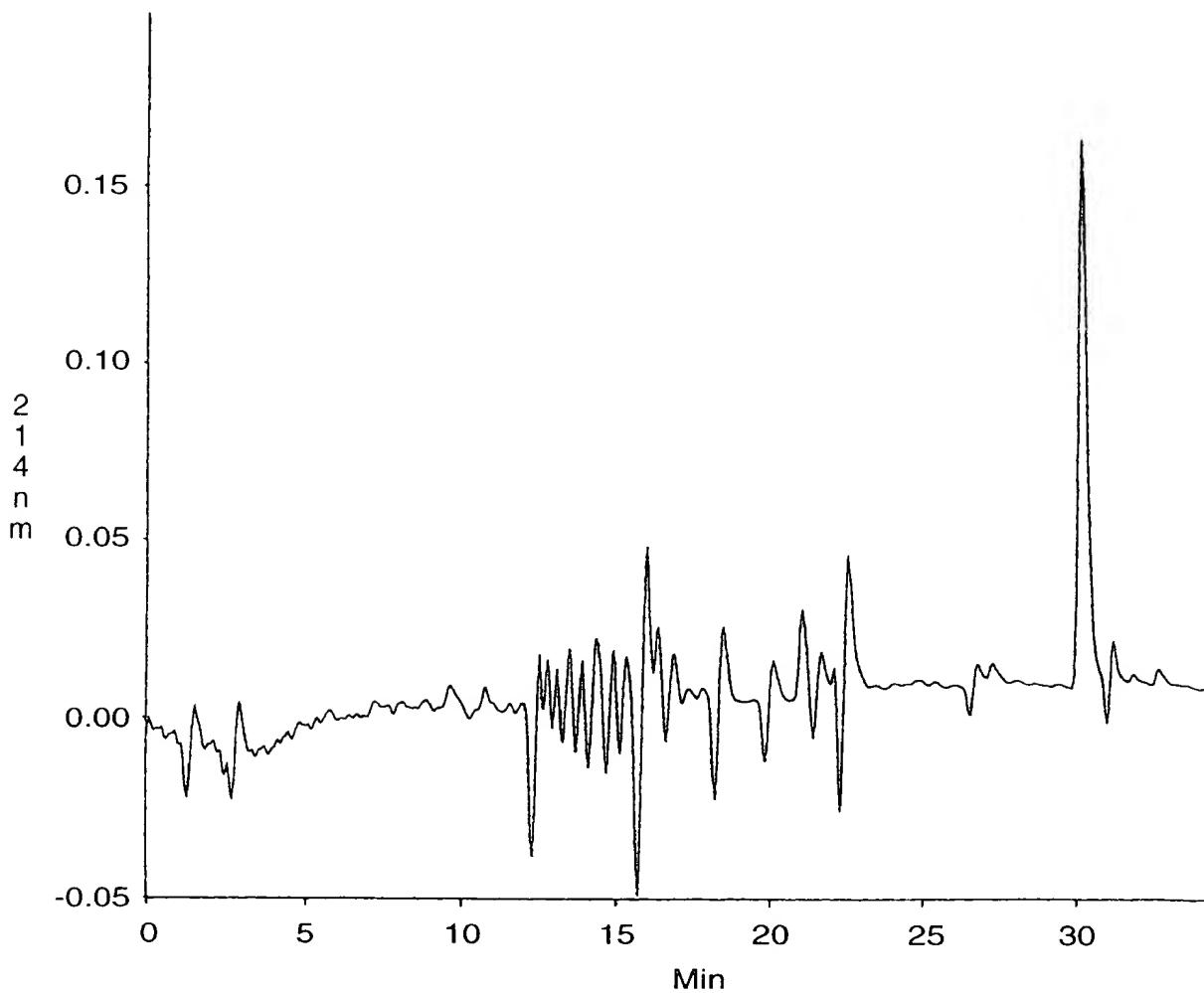
APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



*Fig. 2*

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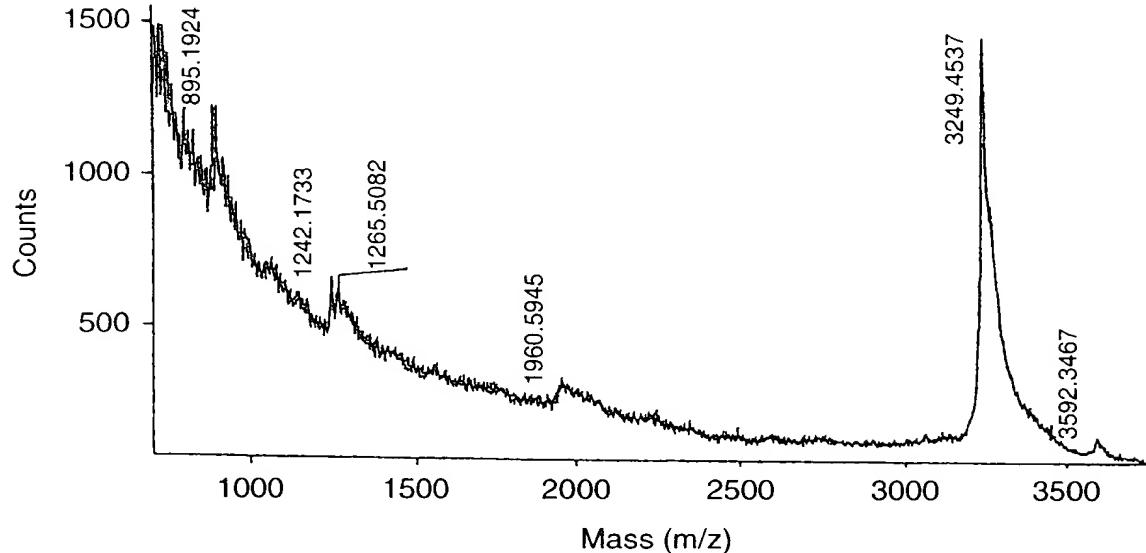
APPROVED	O.G. FIG.
BY	CLASS
DRAFSTMN	SUBCLASS



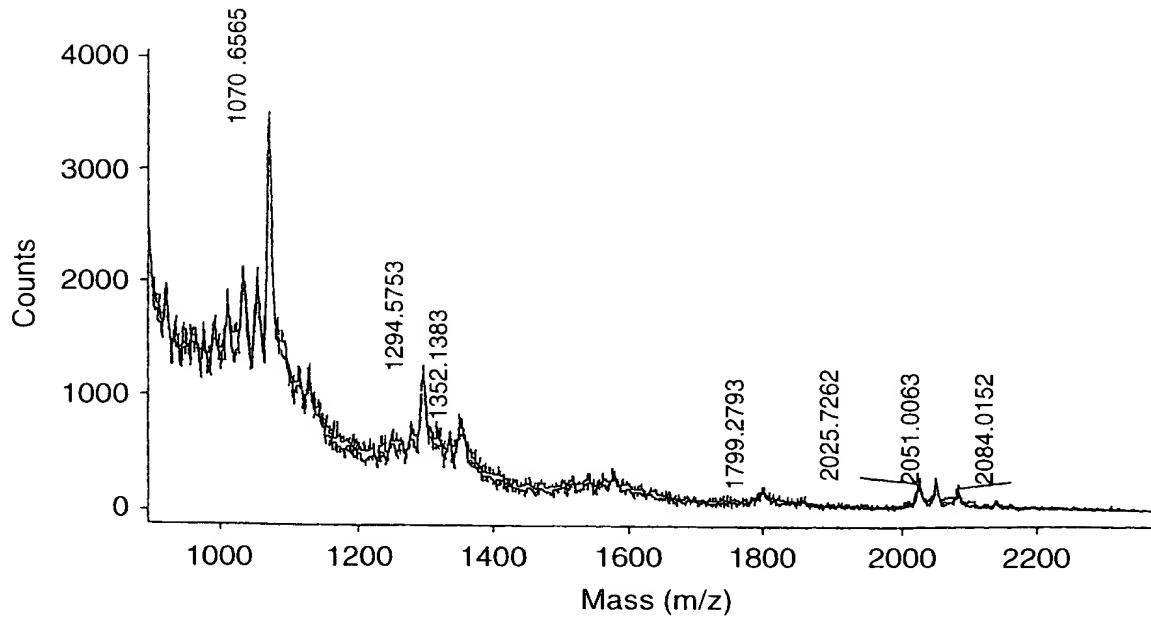
*Fig. 3*

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APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



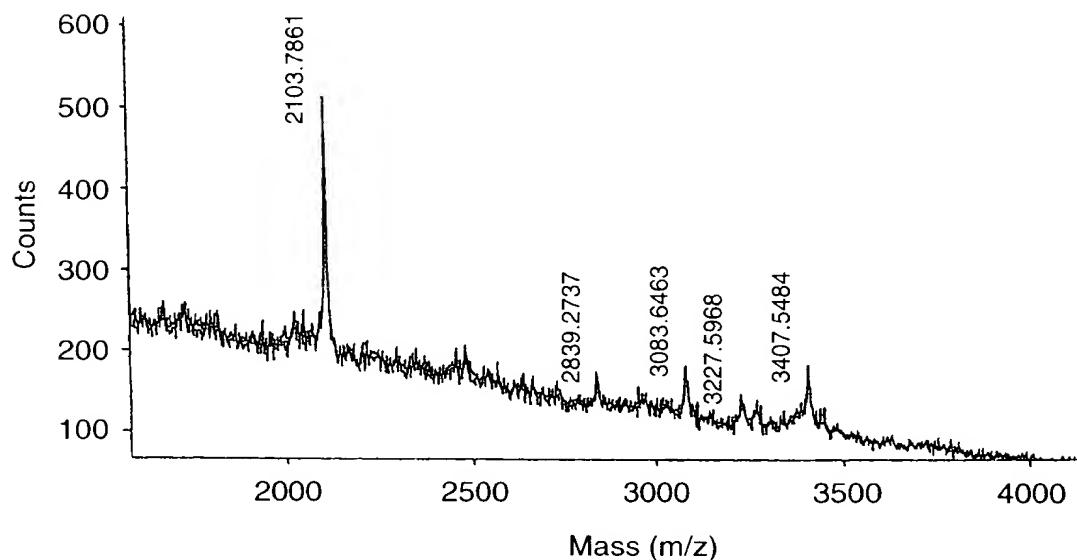
*Fig. 4A*



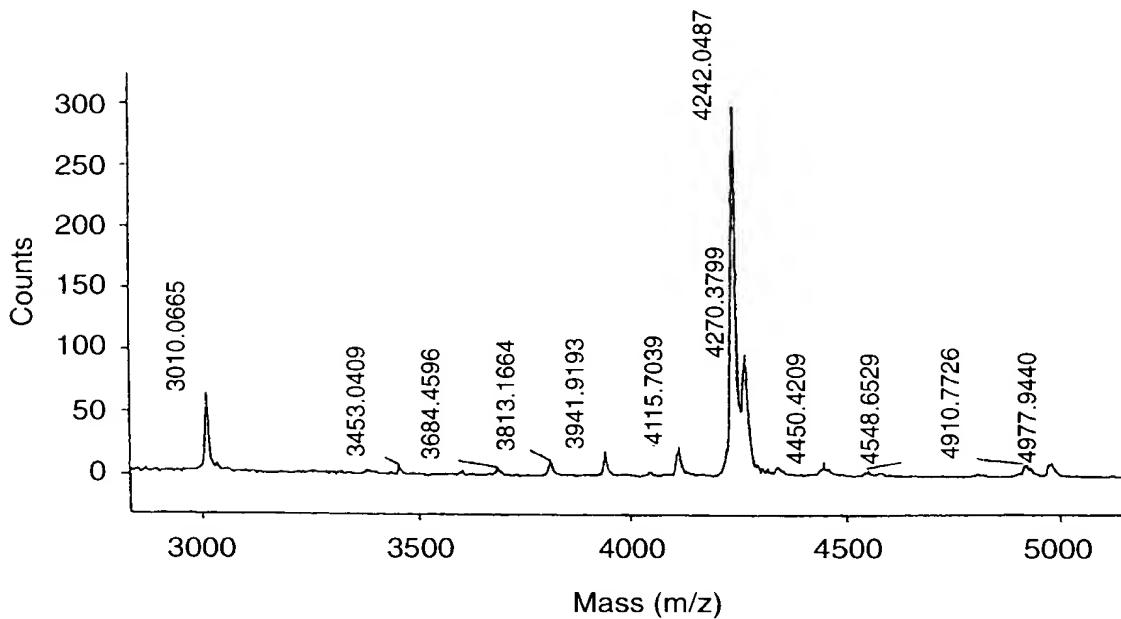
*Fig. 4B*

APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

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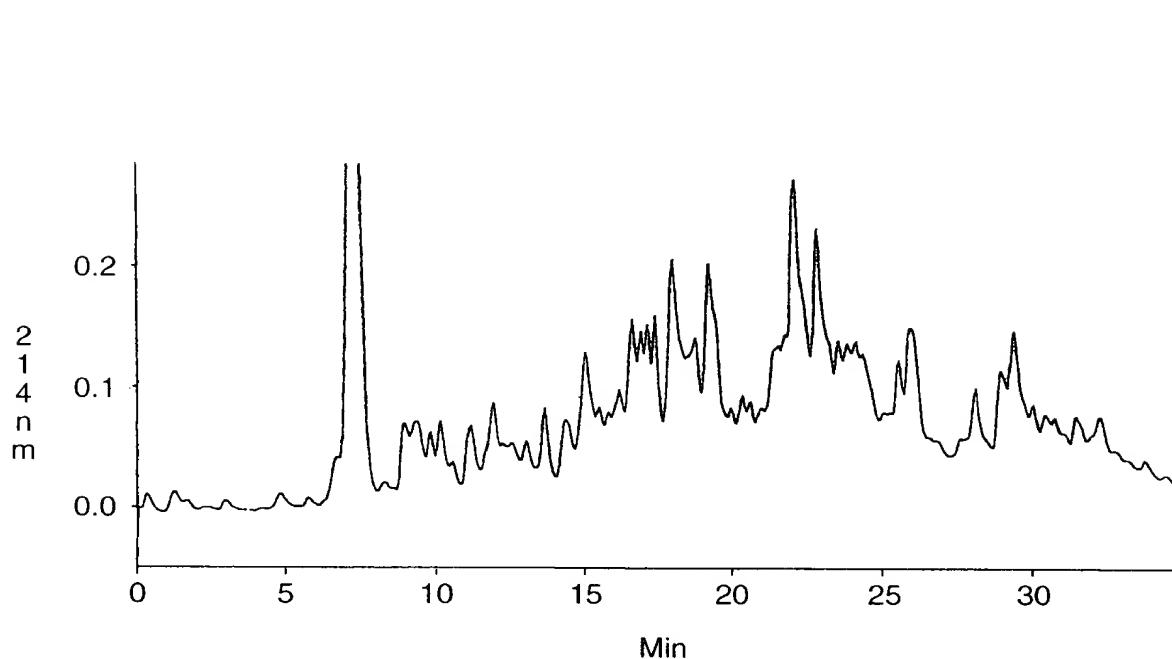
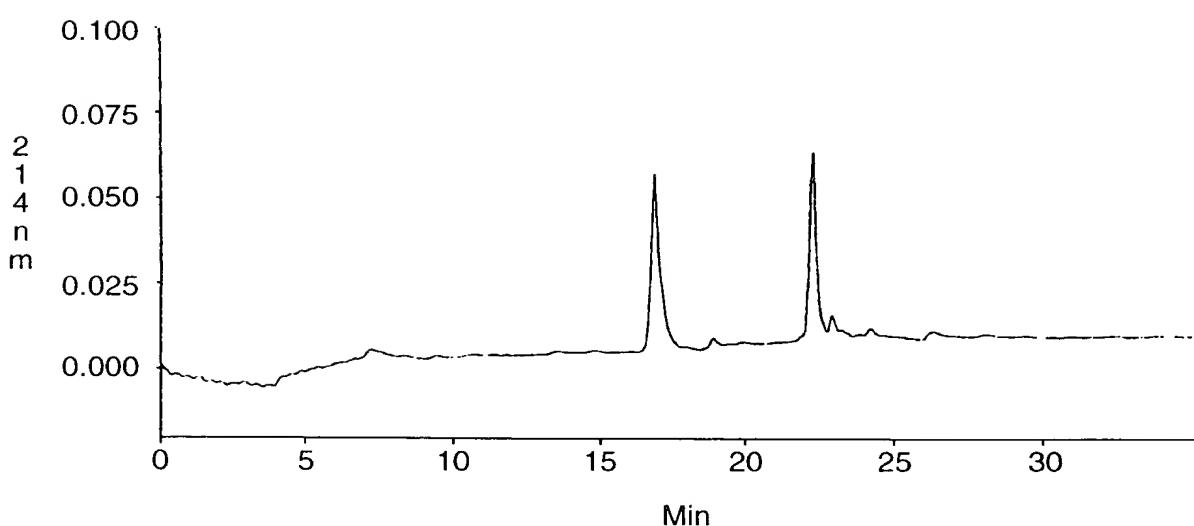


*Fig. 4C*



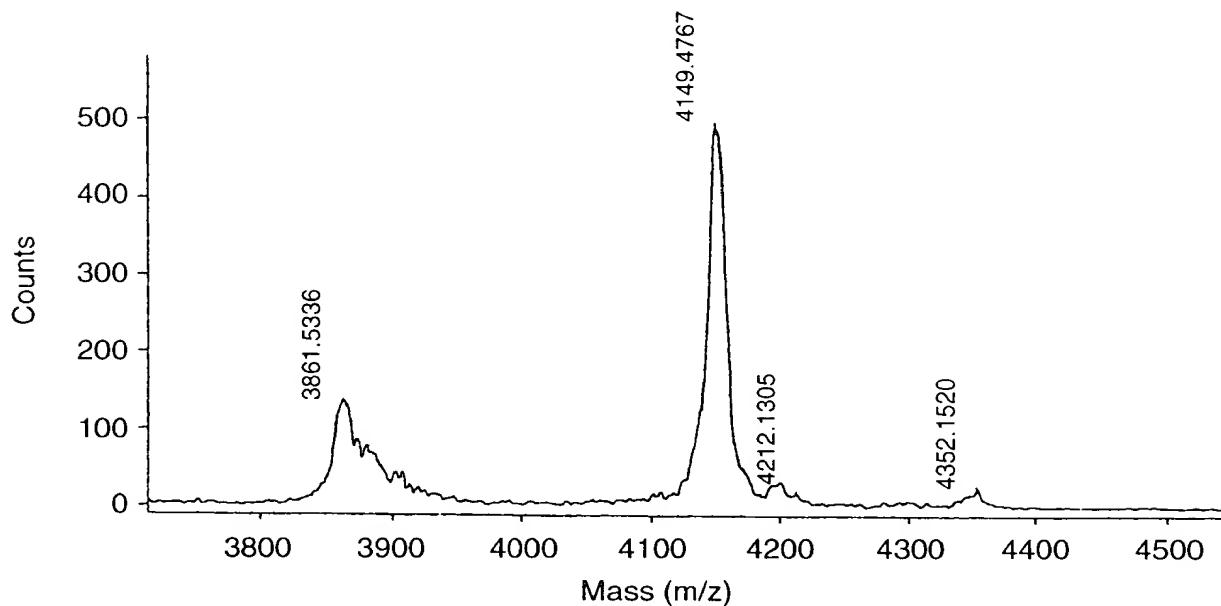
*Fig. 4D*

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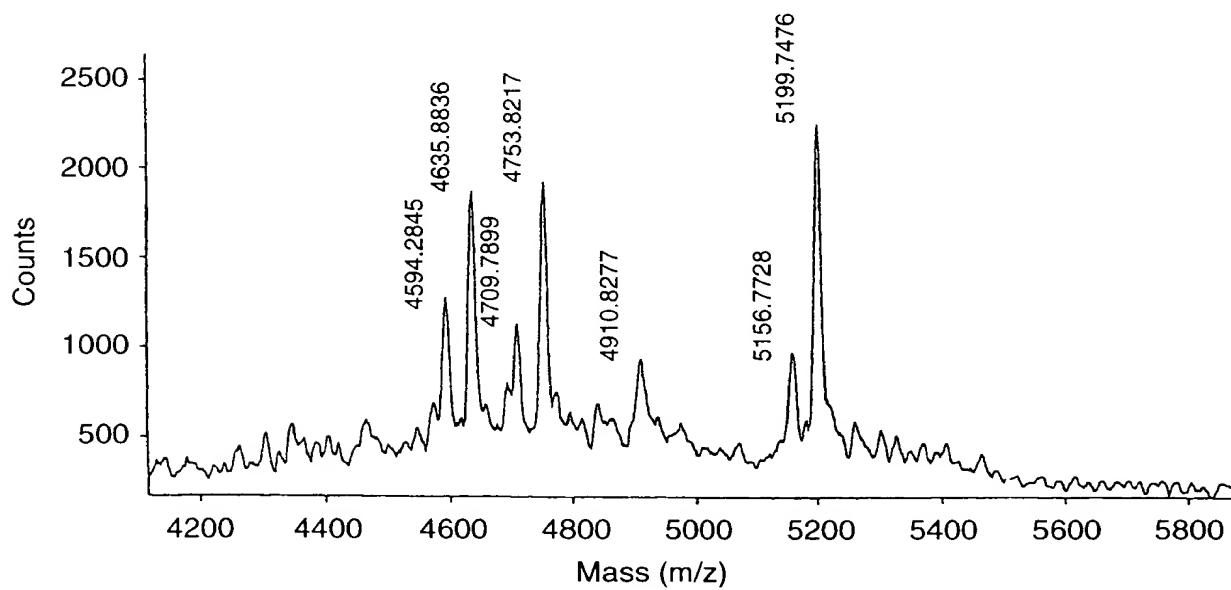
*Fig. 5A**Fig. 5B*

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APPROVED	O. G. FIG.
BY	CLASS   SUBCLASS
DRAFTSMAN	

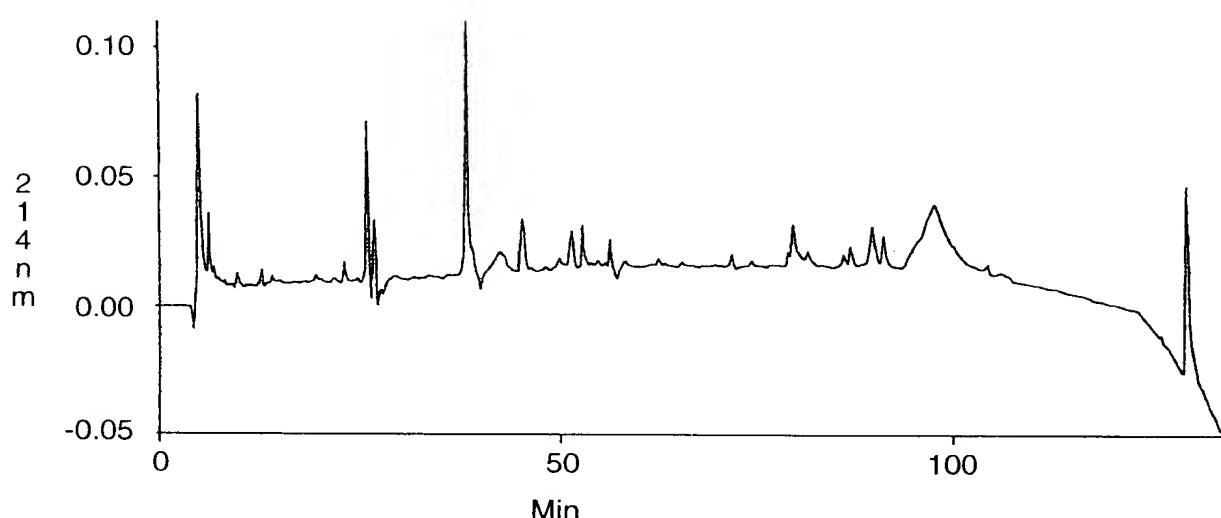


*Fig. 6A*

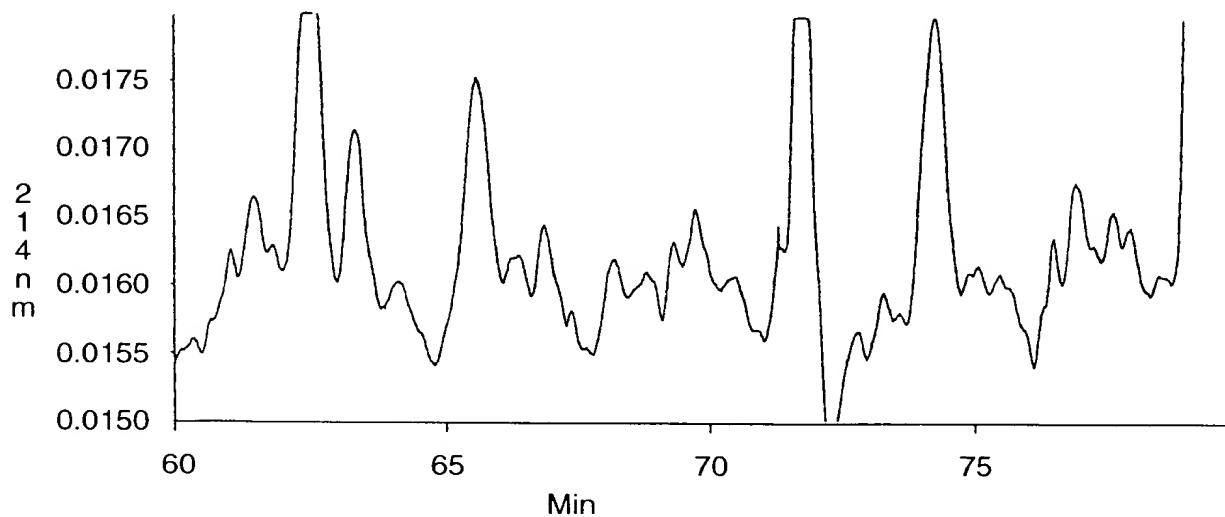


*Fig. 6B*

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*Fig. 7A*



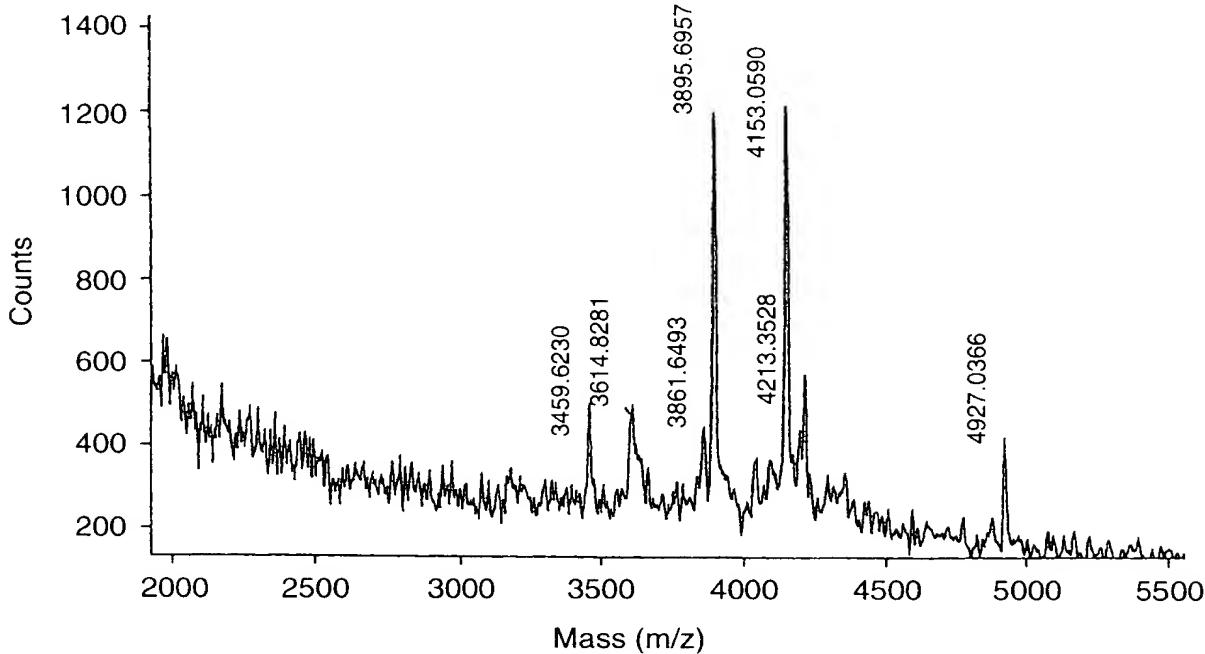
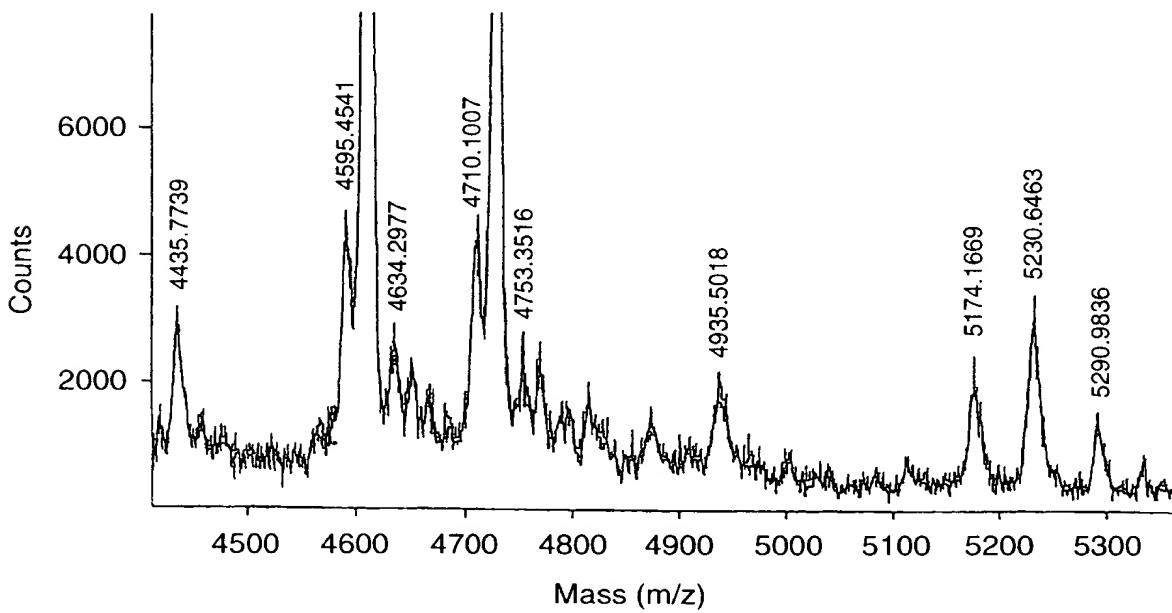
*Fig. 7B*

APPROVED	O.G. FIG.
CLASS	Subclass
BY	
DRAFTSMAN	

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APPROVED	O. G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

*Fig. 8A**Fig. 8B*

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APPROVED	O G FIG.
BY	CLASS
DRAFTSMAN	

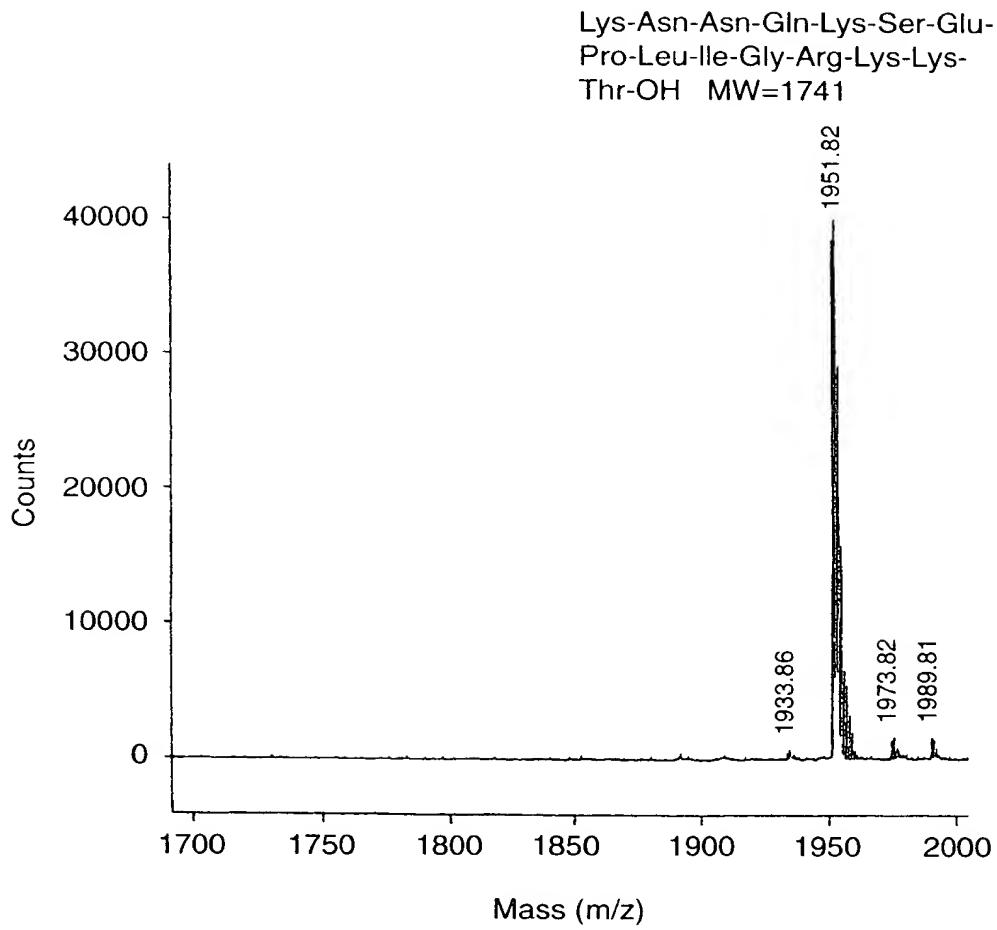


Fig. 9

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APPROVED	O. G. FIG.
BY	CLASS/ SUBCLASS
CRAFTSman	

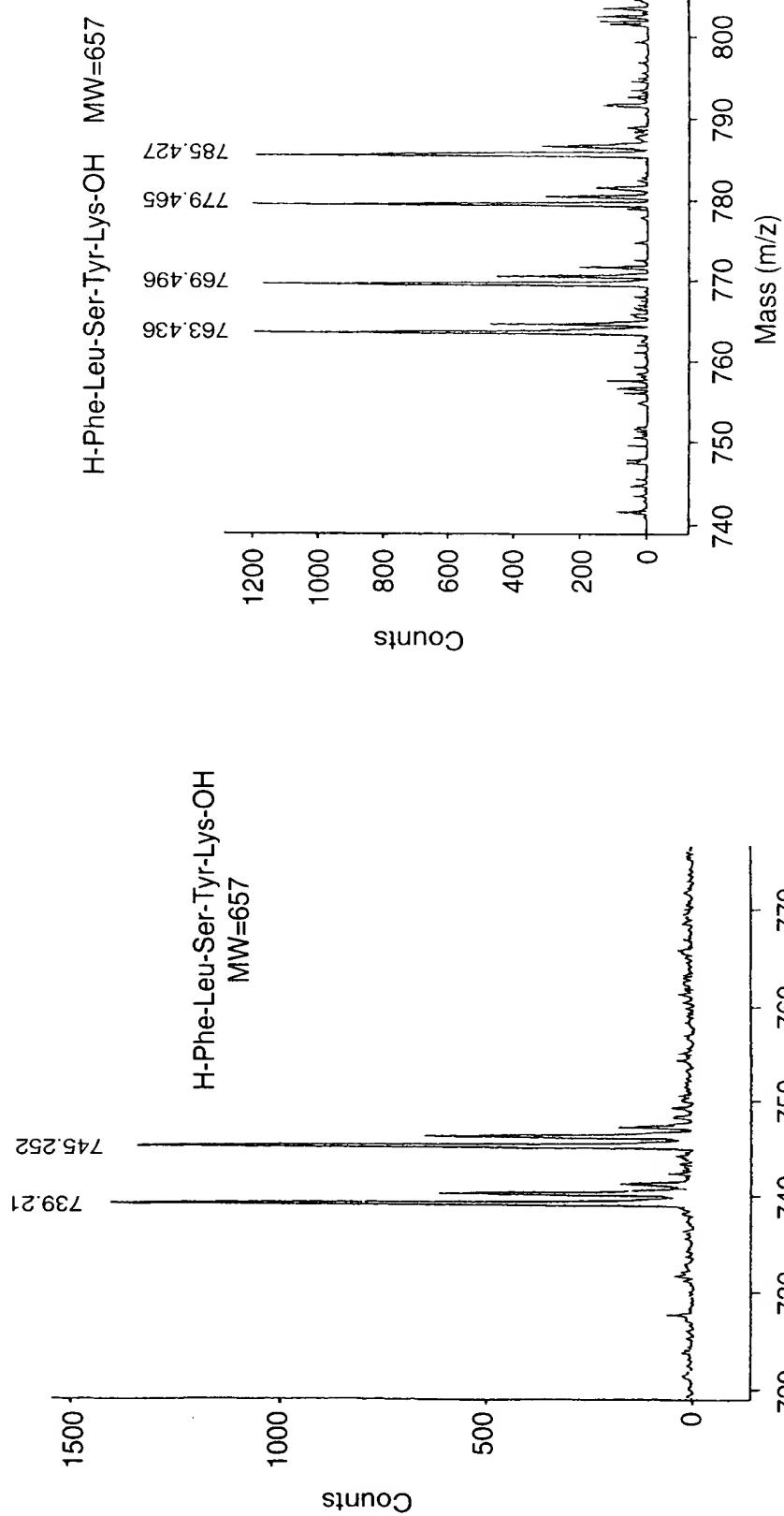


Fig. 10B

Fig. 10A

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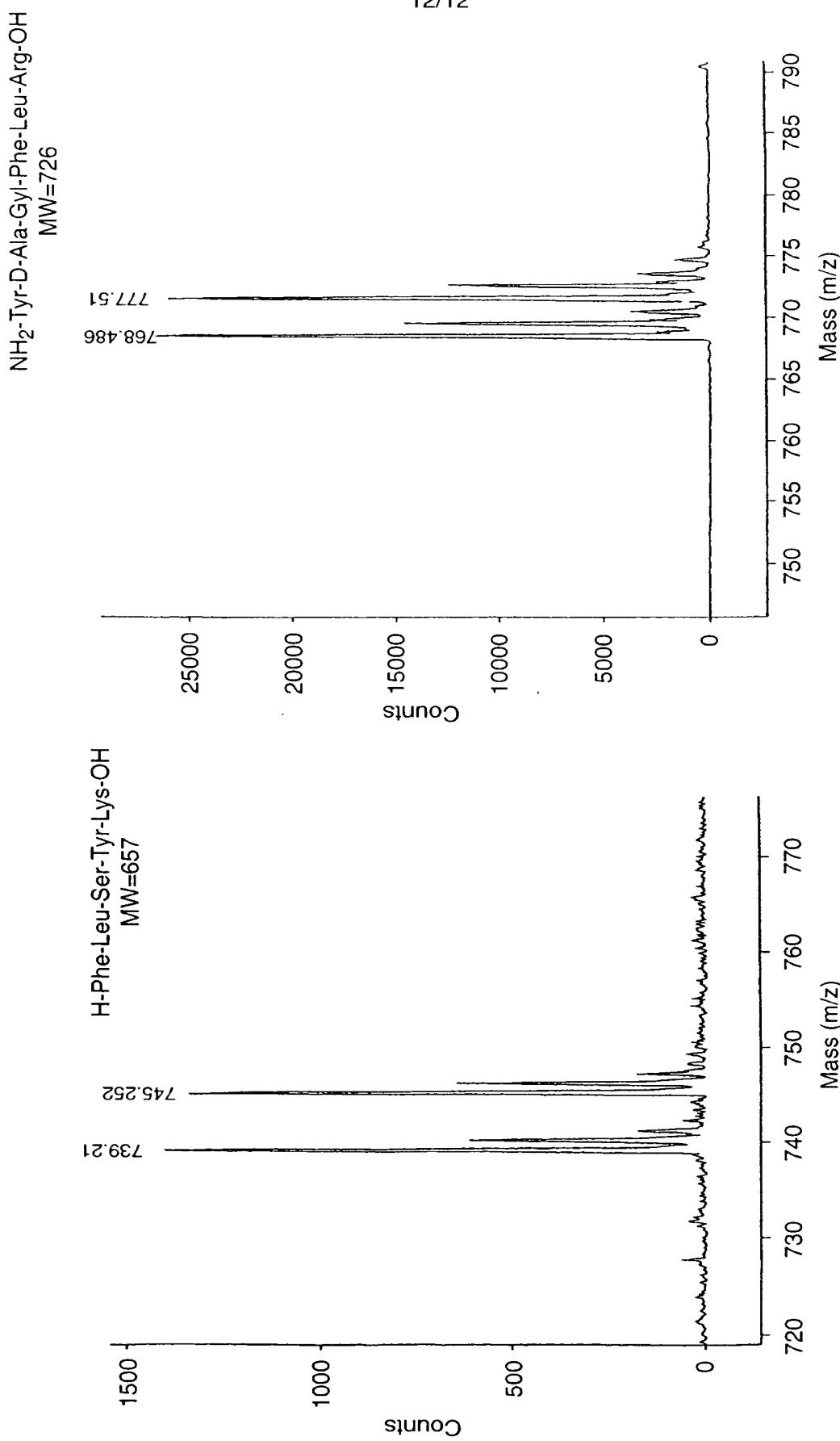


Fig. 11B

Fig. 11A